

Session Program

Jul 17 - 24, 2024

ICHEP 2024

Neutrino Physics

Prague

Thu, July 18

8:30 AM

Neutrino Physics: Oscillations

Session | Location: Panorama | Convener: Viktor Pec

8:30 - 8:45 AM **Latest oscillation results from Daya Bay**

Speaker

Jinjing Li

8:45 - 9:00 AM

New results of reactor antineutrino oscillation amplitude and frequency using 3800 days of RENO data

Speaker

Sanghoon Jeon

9:00 - 9:15 AM

Reactor flux and spectrum measurement with the Daya Bay full data set

Speaker

Mr Jinhao Huang

9:15 - 9:30 AM **Recent results from the DANSS experiment**

Speaker

Mark Shirchenko

9:30 - 9:45 AM **ICARUS at the Short-Baseline Neutrino program: first results**

Speaker

Lea Di Noto

9:45 - 10:00 AM

Latest results from MicroBooNE's Low Energy Excess Search and Constraints on eV-Scale Sterile Neutrino Oscillations

Speaker

Miquel Nebot-Guinot

10:00 - 10:15 AM **Status of the Short-Baseline Near Detector at Fermilab**

Speaker

Rodrigo Alvarez-Garrote

10:15 AM

10:45 AM

Neutrino Physics: Oscillations

Session | Location: Panorama | Convener: Viktor Pec

10:45 - 11:00 AM **Measurement of the Solar pp Neutrino Flux in PandaX-4T**

Speaker

Xiaoying Lu

11:00 - 11:15 AM **T2K Neutrino Oscillation Analysis**

Speaker

Denis CARABADJAC

11:15 - 11:30 AM

Neutrino Oscillation Analysis with Combined Data from Super-Kamiokande and T2K**Speaker**

Jianrun HU

11:30 - 11:45 AM

A New Measurement of Neutrino Oscillations at NOvA**Speaker**

Kathryn Sutton

11:45 AM - 12:00 PM

T2K+NOvA Joint Measurement of Neutrino Oscillation Parameters**Speaker**

Tomas Nosek

12:00 - 12:15 PM

Tau neutrino appearance and the measurement of the neutrino mass-ordering at Super-Kamiokande**Speaker**

Maitrayee Mandal

12:15 - 12:30 PM

Neutrino oscillation physics in JUNO**Speaker**

Steven Calvez

12:30 PM

2:30 PM

Neutrino Physics: Oscillations and Interactions**Session** | **Location:** Panorama | **Convener:** Tomas Nosek

2:30 - 2:45 PM

The Deep Underground Neutrino Experiment (DUNE) Program**Speaker**

Ines Gil Botella

2:45 - 3:00 PM

The IceCube Upgrade: status and prospects for new advances with GeV neutrinos**Speaker**

Nora Feigl

3:00 - 3:15 PM

Exploring tau neutrino appearance measurements in KM3NeT/ORCA**Speaker**

Dr Chiara F Lastoria

3:15 - 3:30 PM

Measurement of atmospheric neutrino oscillations with KM3NeT/ORCA**Speaker**

Alfonso Lazo Pedrajas

3:30 - 3:45 PM

Enhanced search for CP violation in leptons with the new intermediate water cherenkov detector and improved J-PARC neutrino beam in the Hyper-Kamiokande Experiment.**Speaker**

Takeshi Nakadaira

3:45 – 4:00 PM **Low- ν : a tale of two energies**

Speaker

Callum David Wilkinson

4:00 – 4:15 PM

Quasielastic Lepton-Nucleus Scattering and the Correlated Fermi Gas Model

Speaker

Prof. Gil Paz

4:15 PM

4:45 PM

Neutrino Physics: Interactions

Session | **Location:** Panorama | **Convener:** Callum David Wilkinson

4:45 – 5:00 PM **MicroBooNE Electron-Neutrino Cross-Section Results**

Speaker

Marina Guzzo

5:00 – 5:15 PM

MicroBooNE cross section results from muon neutrino inclusive and pionless channels

Speaker

Richard Diurba

5:15 – 5:30 PM

MicroBooNE cross section results from muon neutrinos with pions in the final state and rare processes

Speaker

Michael Kirby

5:30 – 5:45 PM

Triple Differential Muon Antineutrino Charge Current Inclusive Cross Section Measurement in NOvA

Speaker

Prabhjot Singh

5:45 – 6:00 PM **Neutrino cross-section results from T2K**

Speaker

Daniel Cherdack

6:00 – 6:15 PM

Status of Measuring Cross Sections of Hadrons on Argon with ProtoDUNE-SP

Speaker

Jingyuan Shi

6:15 – 6:30 PM **Results from TeV Neutrinos at the FASER Experiment**

Speaker

Sergey Dmitrievsky

6:30 PM

Fri, July 19

8:30 AM

Neutrino Physics: Interactions

Session | **Location:** Panorama | **Convener:** Juan Pedro Ochoa Ricoux

8:30 – 8:45 AM

Study of proton-nucleus interactions with the DsTau/NA65 experiment at the CERN-SPS

Speaker

Dr Akitaka Ariga

8:45 – 9:00 AM

Hadron Production Measurements at NA61/SHINE for Neutrino Oscillation Experiments

Speaker

Kyle Allison

9:00 – 9:15 AM

The Pioneering Contributions of the ANNIE Experiment at Fermilab

Speaker

Marvin Ascencio Sosa

9:15 – 9:30 AM

NuMI @ ICARUS: Flux, Cross Section, and BSM Physics

Speaker

Daniel Cherdack

9:30 – 9:45 AM

The CONUS+ experiment

Speaker

Christian Buck

9:45 – 10:00 AM

New results on searches for CEvNS and Physics beyond the Standard Model using Skipper-CCDs at CONNIE

Speaker

Irina Nasteva

10:00 – 10:15 AM

Probing Physics within and beyond the Standard Model with coherent neutrino nucleus elastic scattering at the Kuo-Sheng Reactor Neutrino Laboratory with the TEXONO Experiment

Speaker

Dr Manoj Kumar Singh

10:15 AM

10:45 AM

Neutrino Physics: Neutrino Mass

Session | **Location:** Panorama | **Convener:** Rhiannon Susan Jones

10:45 – 11:00 AM

Search for neutrinoless double beta decay with the NEXT experiment

Speaker

Brais Palmeiro

11:00 - 11:15 AM

Towards the AMoRE II Experiment: Neutrinoless double-beta decay search with 100 kg of ^{100}Mo **Speaker**

Wootae Kim

11:15 - 11:30 AM

Searching for neutrinoless double-beta decay with CUPID**Speaker**

Mr Vladyslav Berest

11:30 - 11:45 AM

Status of the SuperNEMO Demonstrator and Analysis of First Data**Speaker**

Xalbat Aguerre

11:45 AM - 12:00 PM

R2D2: a xenon TPC for neutrinoless double beta decay search**Speaker**

Anselmo Merzagaglia

12:00 - 12:15 PM

LEGEND-200: first steps towards the hunt for $0\nu\beta\beta$ **Speaker**

Mariia Redchuk

12:15 - 12:30 PM

Beyond the N_1 -dominated leptogenesis with the smallest modular finite group**Speaker**

Simone Marciano

12:30 PM

2:30 PM

Neutrino Physics: Mass + Astro + SND@LHC

Session | Location: Panorama | Convener: Viktor Pec

2:30 - 2:45 PM

Latest results from the CUORE experiment**Speaker**

Alice Campani

2:45 - 3:00 PM

Probing the effective electron anti-neutrino mass with KATRIN**Speaker**

Christoph Wiesinger

3:00 - 3:15 PM

Tackling the experimental challenge to detect relic neutrinos from the Big Bang with Ptolemy**Speaker**

Dr Federico Virzi

3:15 - 3:30 PM

Astrophysical neutrino search in KamLAND**Speaker**

Mr Minoru Eizuka

	<p>3:30 - 3:45 PM</p> <p>The Pierre Auger Observatory - Overview of ultra-high-energy neutrino searches</p> <p>Speaker Denise Boncioli</p>
4:15 PM	<p>3:45 - 4:00 PM</p> <p>Recent results from the SND@LHC experiment</p> <p>Speaker Riddhi Biswas</p>
4:45 PM	<p>Neutrino Physics: Detection</p> <p>Session Location: Panorama Convener: Rhiannon Susan Jones</p>
	<p>4:45 - 5:00 PM</p> <p>Decipher the Quantum Behavior of Neutrinos with DUNE PRISM</p> <p>Speaker Cristovao Vilela</p>
	<p>5:00 - 5:15 PM</p> <p>MicroBooNE Detector Physics Measurements and Calibrations</p> <p>Speaker Vincent Basque</p>
	<p>5:15 - 5:30 PM</p> <p>Advancements in LArTPC event reconstruction on MicroBooNE data</p> <p>Speaker Maria Brigida Brunetti</p>
	<p>5:30 - 5:45 PM</p> <p>Triggering First SBND Events</p> <p>Speaker Tereza Kroupova</p>
	<p>5:45 - 6:00 PM</p> <p>The ND280 upgrade of the T2K Experiment</p> <p>Speaker Shivam Ashish Joshi</p>
	<p>6:00 - 6:15 PM</p> <p>Deep Learning Event Reconstruction at NOvA</p> <p>Speaker Wenjie Wu</p>
6:30 PM	<p>6:15 - 6:30 PM</p> <p>Status of JUNO's Taishan Antineutrino Observatory</p> <p>Speaker Dr Ruhui Li</p>

Sat, July 20

8:30 AM

Neutrino Physics: Theory and Pheno

Session | Location: Panorama | Convener: Dr Antonio Enrique Cárcamo Hernández

8:30 - 8:45 AM **Multi-Messengers Neutrino Scattering on Ultra-Relativistic CνB**

Speaker

Maria Petropavlova

8:45 - 9:00 AM

Synergistic effects in enhancing octant and mass ordering sensitivity in the presence of a sterile neutrinos

Speaker

Mr Supriya Pan

9:00 - 9:15 AM

Novel Aspects of Neutrino oscillations

Speaker

Prof. Fedor Simkovic

9:15 - 9:30 AM

Dynamical scoto-seesaw mechanism with gauged B-L symmetry

Speaker

Soumya Sadhukhan

9:30 - 9:45 AM

Phenomenology of Scotogenic 3-loop Neutrino Mass Models

Speaker

Tessio de Melo

9:45 - 10:00 AM

Simplified models of $\delta=7$ lepton number violation

Speaker

Kare Fridell

10:15 AM

10:45 AM

Neutrino Physics: Theory and Pheno and BSM

Session | Location: Panorama | Convener: Dr Antonio Enrique Cárcamo Hernández

10:45 - 11:00 AM

How is CP violation in thermal leptogenesis connected to CP violation in neutrino oscillations?

Speaker

Zhi-zhong Xing

11:00 - 11:15 AM

Impact of mixed scattering processes on leptogenesis within hybrid seesaw framework

Speaker

Tirtha Sankar Ray

11:15 - 11:30 AM

Neutrino Masses from a Hybrid Type I + III Inverse Seesaw Mechanism in $U(1)_{R-L}$ -symmetric MSSM

Speaker

Cem Murat Ayber

11:30 - 11:45 AM

On the Implications of $|U_{\mu i}| = |U_{\tau i}|$ in the Canonical Seesaw Mechanism**Speaker**

Jianlong Lu

11:45 AM - 12:00 PM

MicroBooNE's Search for Anomalous Single-Photon Production**Speaker**

Xiao Luo

12:00 - 12:15 PM

Highlights of nucleon decay searches at JUNO**Speaker**

Yuyi Wang

12:30 PM

2:30 PM

Neutrino Physics: BSM and ESSvSB+

Session | Location: Panorama | Convener: Juan Pedro Ochoa Ricoux

2:30 - 2:45 PM

An Improved Search for Unstable Sterile Neutrinos at IceCube**Speaker**

Philip Weigel

2:45 - 3:00 PM

First measurement of light sterile neutrino mixing parameters with KM3NeT/ORCA**Speaker**

Louis Bailly-Salins

3:00 - 3:15 PM

First results from the SOLid experiment at BR2**Speaker**

Frédéric YERMIA

3:15 - 3:30 PM

Probing Physics Beyond the Neutrino Mass at the KATRIN Experiment**Speaker**

Caroline Fengler

3:30 - 3:45 PM

Constraining new physics with Coherent Elastic Neutrino-Nucleus Scattering experiments.**Speaker**

Gonzalo Sanchez Garcia

3:45 - 4:00 PM

The European Spallation Source neutrino Super Beam plus (ESSvSB+) Project**Speaker**

Alessio Giaretta

4:15 PM

4:45 PM

Neutrino Physics: New Tech

Session | Location: Panorama | Convener: Callum David Wilkinson

4:45 - 5:00 PM

Final design of the ENUBET monitored neutrino beam and its implementation at CERN

Speaker

Anselmo Mereaglia

5:00 - 5:15 PM

Overview and Status of the 2x2 NDLAr Demonstrator: A Pixel-Based LArTPC Prototype for the DUNE Near Detector

Speaker

Karolina Wresilo

5:15 - 5:30 PM

Prototyping the SoLAr LArTPC Technology for Detecting MeV-Scale Neutrinos

Speaker

Richard Diurba

5:30 - 5:45 PM

CLOUD: the first reactor antineutrino experiment using the novel LiquidO detection technology

Speaker

Diana Navas

5:45 - 6:00 PM

SuperChooz Pathfinder

Speaker

Dr Anatael CABRERA

6:00 - 6:15 PM

Status and Prospects of the Water Cherenkov Test Experiment (WCTE)

Speaker

Diego Costas Rodriguez

6:15 - 6:30 PM

Research and Development of Jinping Neutrino Experiment

Speaker

Wentai Luo

6:32 PM